



The RoadRunner WC400 is an LTE-Advanced cellular mobile router, featuring the latest 802.11AC (WAVE2) technology, and 4x4 MU-MIMO for LAN or WWAN Networks. The router enables easy viewing access, live video streaming, access for searching and downloading recorded video, and is field-upgradable with a second cellular modem slot.



HIGH PERFORMANCE

- Powered by Cradlepoint™, this LTE-Advanced router (600Mbps throughput) enables live streaming of higher resolution video over a cellular network
- Dedicated 5Ghz 802.11AC Wave 2 (4x4 MU-MIMO and 256 QAM) Radio for client (WWAN) mode for the highest vehicle to facility throughput possible
- Dedicated 2.4/5GHz Passenger Wi-Fi Radio
- Dual SIM with auto-carrier switching for more robust network coverage; additional cellular modem slot for easy field upgradability, which supports increased availability and bandwidth
- Five programmable 10/100/1000 LAN/WAN Ethernet Ports
- Enterprise-class routing and security for mobile applications
- Ignition sensing provides independent power management control
- Passenger Wi-Fi with Terms of Service and client isolation support

RUGGED AND RELIABLE

- Manufactured specifically for harsh, mobile environments, the WC400 features a compact, rugged design and is MIL-SPEC 810G and SAE J1455 rated for impact, shock, vibration and temperature extremes

EASILY MANAGED

- Web-based management (local and remote); tablet-friendly GUI
- Configuration backup and restore; firmware upgrade and downgrade
- SNMP support; Syslog support; Real-time login; Scheduled system restarts; Ping, ARPing, and trace-route utilities
- Cloud-based central management with optional 1, 3, or 5 year subscription

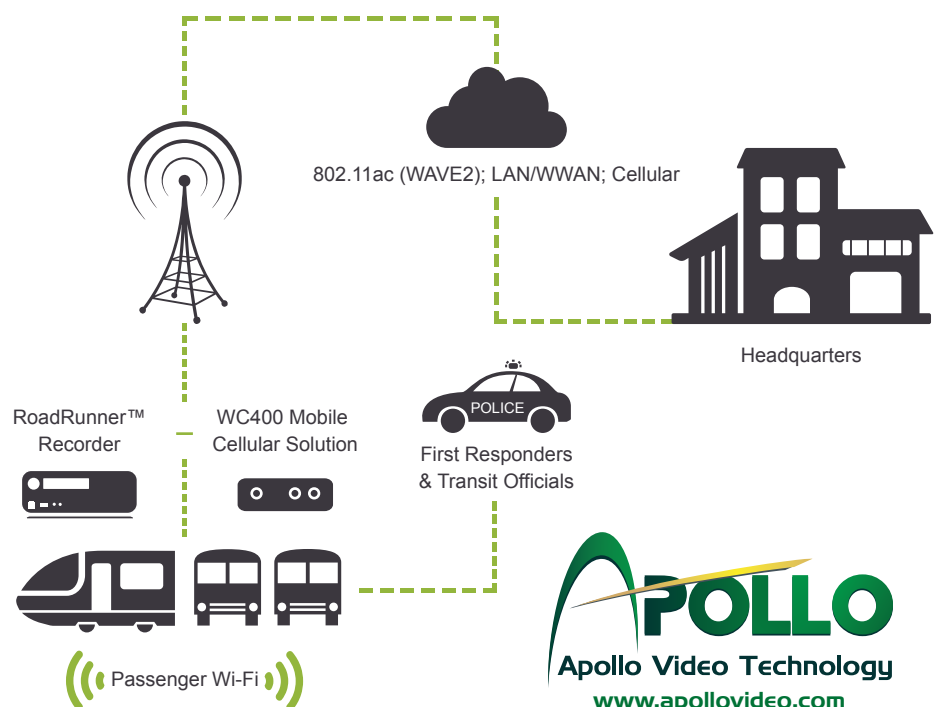
OPTIMIZED FOR USE WITH THE ROADRUNNER SYSTEM

- Configured for harsh mobile environments, the ruggedized WC400 is packaged with an IP-67 Multiband 9-in-1 Cell/Wi-Fi/GPS roof mount antenna and ruggedized cabling for seamless connectivity and video transmission

High-end security features include:

- Stateful packet inspection (SPI) firewall
- Anti-DoS and anti-spoofing protection
- L2 / L3 / L4 ACL filtering
- Static DHCP and static ARP IP-MAC binding
- DMZ and port forwarding (virtual server)
- RADIUS and TACACS+ support 802.1x authentication
- Certificate support ALGs
- MAC Address Filtering
- Zone-Based Object Firewall with host address (IP or FQDN), port, and mac address

Enterprise-Class Routing and Security





Hardware Specifications

Inputs / Outputs

- 5-10/100/1000 Mbps Ethernet Switchable LAN/WAN ports
- 20-pin power + GPIO port 1x alternative DC Power Input, 1x IGN Input, 2x Analog Input, 4x Programmable & 1x low current 5V output
- 6-RP-SMA(reverse polarity) female Wi-Fi antenna connectors
- 2-SMA Female Cellular Antenna connectors
- 1-SMA Female Active GPS Antenna Connector
- 1-user-accessible USB 2.0 for 3G/4G modems
- 1-4-pin microfit power jack

Software Specifications

Cellular WAN Management

- Auto fail over routing between Ethernet and Wi-Fi interfaces (user selectable routing priority)
- Auto-connect on demand, or stay connected 24/7 with "always-on" feature
- ICMP heartbeat (ping continuity) monitor ensures persistent cellular connections
- Configurable load balancing between WAN interfaces
- MAC address access control list
- Bandwidth utilization and bandwidth throttling-controls

Device Management

- Web-based management (local and remote)
- Tablet-friendly GUI
- Configuration backup and restore
- Firmware upgrade and downgrade
- SNMP support and Syslog support
- Real-time login
- Scheduled system restarts
- Ping, ARPing, trace-route utilities

Cellular Interfaces

- Embedded LTE-Advanced 600 Mbps Modem
- DC-HSPA+ Fallback

Wi-Fi Interfaces

- 802.11a/b/g/n/ac (WAVE 2); 4x4 MIMO and 256 QAM
- Access Point/Client/WWAN
- LAN and WAN interface (AP + client)
- WPS, WDS and WMM
- Multiple SSIDs: 6 total
- WPA, WPA2, WPA-PSK, WEP 64/128-bit, 802.1x security

VPNs

- VPN over 3G/4G and Ethernet interfaces
- IPSec server and client modes
- Up to 10 concurrent IPSEC VPN sessions
- DES, 3DES, AES encryption
- SHA1/MD5 VPN authentication
- Dead Peer Detection (DPD)
- Router initiated/terminated IPSec VPNs and client pass-through VPN support
- IPSec NAT Traversal + keep-alive packet support
- Interoperable with standard IPSec-based VPN products (Cisco, SonicWall, Juniper, WatchGuard, NetScreen, etc.)
- PPTP server and client modes (32 simultaneous clients)
- MS-CHAPv2 & MPPE 128-bit security

Firewall

- Stateful Packet Inspection (SPI) firewall
- Anti-DoS and anti-spoofing protection
- L2 / L3 / L4 ACL filtering
- Static DHCP and static ARP IP-MAC binding

General

- Power consumption: 12vDC input 14W (typical) to 30W (max)
- Power supply: 9-33 VDC (requires 5.0A inline fuse for vehicle installations)
- Dimensions (WxHxD): 8.8" x 1.7" x 7.5"
- Weight: 3 lb. 7 oz.
- Operating temperature: -22°F to 158°F (-30°C to 70°C)
- Operating humidity: 5%-95% (non-condensing)
- Enclosure: Metal
- IP54, Shock/Vib/Humidity MIL SPEC 810G & SAEJ1455

IP and Routing

- LAN DHCP server, cache, proxy server, and relay
- WAN DHCP, static IP, PPPoE, WiFi client
- WAN fail-over detection limits and controls
- WAN load balancing (Ethernet + USB)
- Static Routing; Per-Interface Routing
- Policy-based Routing; NAT; NAT-less routing
- Virtual Server/Port Forwarding
- VLAN support; Spanning tree protocol support
- Dynamics DNS (DynDNS, NoIP, TZO, etc.)
- Permanent DNS address
- IPv6
- Bandwidth management and throughput optimization

- The WC400 solution includes an omni-directional IP-67 Multiband 9-in-1 Cell/Wi-Fi/GPS roof mount antenna. Equipped with a total of five (5) programmable 10/100/1000 LAN/WAN Ethernet Ports and six (6) SSIDs, the WC400 supports up to 192 connected devices
- Compatible with all RoadRunner™ Series Mobile Recorders
- Compatible WWAN connectivity with all major 802.11 wireless facility infrastructure



Easily deploy and manage networks from geographically distributed locations

- Firmware version control
- Real-time monitoring
- Zero-touch configuration deployment
- Fleet-wide configuration updates

One, Three and Five Year Subscriptions Available

	RoadRunner™	RoadRunner HD™
Model Number	RR-WC400	RR-HDWC400



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